

POSPISIL, Alois; NOVOTNY, Zdenek; ZATOCIL, Frant.

Audiometric examination in occupational hearing disorders caused
by noise. Pracovni lek.12 no.8:430-435 0'60.

1. Vedecka ORL laborator CSAV a ORL klinika v Praze, vedouci
laboratore a prednosta kliniky akademik Ant.Precechtel.
(AUDIOOMETRY)
(NOISE)

Pospišil, A.

EXCERPTA MEDICA Sec.11 Vol.8/9 O.R.L. Sept 1955

1729. POSPIŠIL, A. Dětska otolaryngol. Klin., Praha. *Akutní zánětlivé nedifterické stenózy laryngu a tracheobronchiálního stromu u dětí. Acute inflammatory non-diphtheritic stenoses of the larynx and tracheobronchial tree in children SBORN. LÉK. 1955, 57/1 (31 pages)

Graphs 3 Tables 1

An analysis of 350 cases of non-diphtheritic laryngitis and laryngotracheobronchitis treated in the E.N.T. Dept. of the Children's Clinic in Prague between 1947 and 1953. Thirty-one cases required tracheotomy. The mortality rate was 29% (9 cases). The author distinguishes several forms and discusses the differential diagnosis between: laryngotracheobronchitis suffocans, laryngotracheobronchitis of Hemophilus influenzae type B, laryngitis supraglottica, laryngitis subglottica and laryngismus stridulus. In the treatment of these diseases, the author stresses the importance of sulphonamides and antibiotics, and particularly of cold inhalations. Early tracheotomy - if indicated - is recommended.

Rosen - Jerusalem

POSPISIL, Alois, dr.

Investigation on the function of the vestibular apparatus by
means of thermal irritation. Sborn. lek. 58 no.2:25-40 Feb 56

1. Otolaryngologicka klinika KU. Prednosta: akademik Antonin
Precechtel.

(VESTIBULAR APPARATUS, function tests
thermal irritation, review)

POSPISIL, A.

Etiopathogenesis of spontaneous tympanoplasty. Cesk. otolaryng.
13 no. 6:323-326 N 1 64

1. Otolaryngologicka laborator Ceskoslovenskej akademie ved Praze (vedouci akademik A. Presechtel) a Otolaryngologicka klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. K. Sedlacek).

POSPISIL, Bedrich, inz.

Selsyns. Elektrotechnik 20 no.2:44-47 F '65.

1. Moravskoslezske elektrotechnicke zavody National Enterprise,
Nachod.

24.5000

S/124/62/000/004/012/030
D251/D301

AUTHOR: Pospíšil, Bořivoj

TITLE: A study of the temperature field of the rotor of a gas turbine

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 4, 1962, 41, abstract 4B249 (Energ. zařízení. Zprávy První brněské stojirny, 1960, no. 1, 5-8)

TEXT: A description is presented of a special electro-modelling apparatus constructed at the Machine-Building plant in Brno for studying the temperature fields in the rotors of gas turbines. The results of the investigation were applied practically in the construction of a cooling system for the turbines manufactured by the plant. [Abstracter's note: Complete translation.]

Card 1/1

POSPISIL, Bratislav

Designing transistor circuits with ideal transformers. Slaboproudý
obzor 22 no. 9: 538-542 '61.

l. Vojenska akademie Antonina Zapotockeho, Brno.

(Transistor circuits) (Electric transformers)

POSPISIL Bohuslav

Tasks of the Forestry in further development of the Czechoslovak society. Les-cas 9 no.6:501-510 Je '63.

1. Namestek ministra zemadelství, lesního a vodního hospodarství.

Pospisil, Bretislav

Establishing the vector of the exciting current or voltage in
solving electric network systems. Slaboproudý obzor 24 no.5:
269-271 My '63.

1. Vojenska akademie Antonina Zapotockeho, Brno.

POSPISIL, Bretislav

Some applications of direct system matrix assembly. Slezoproudý
obzor 24 no.4:191-193 Ap '63.

1. Vojenska akademie Antonina Zapotockeho, Brno.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001342620003-0

POSPISIL, B.

A simple method for transistor parameter transmission. Slaboproudý
obzor 24 no.6:373-374 Je '63.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001342620003-0"

9.3240

Z/039/61/022/012/001/009
D291/D306

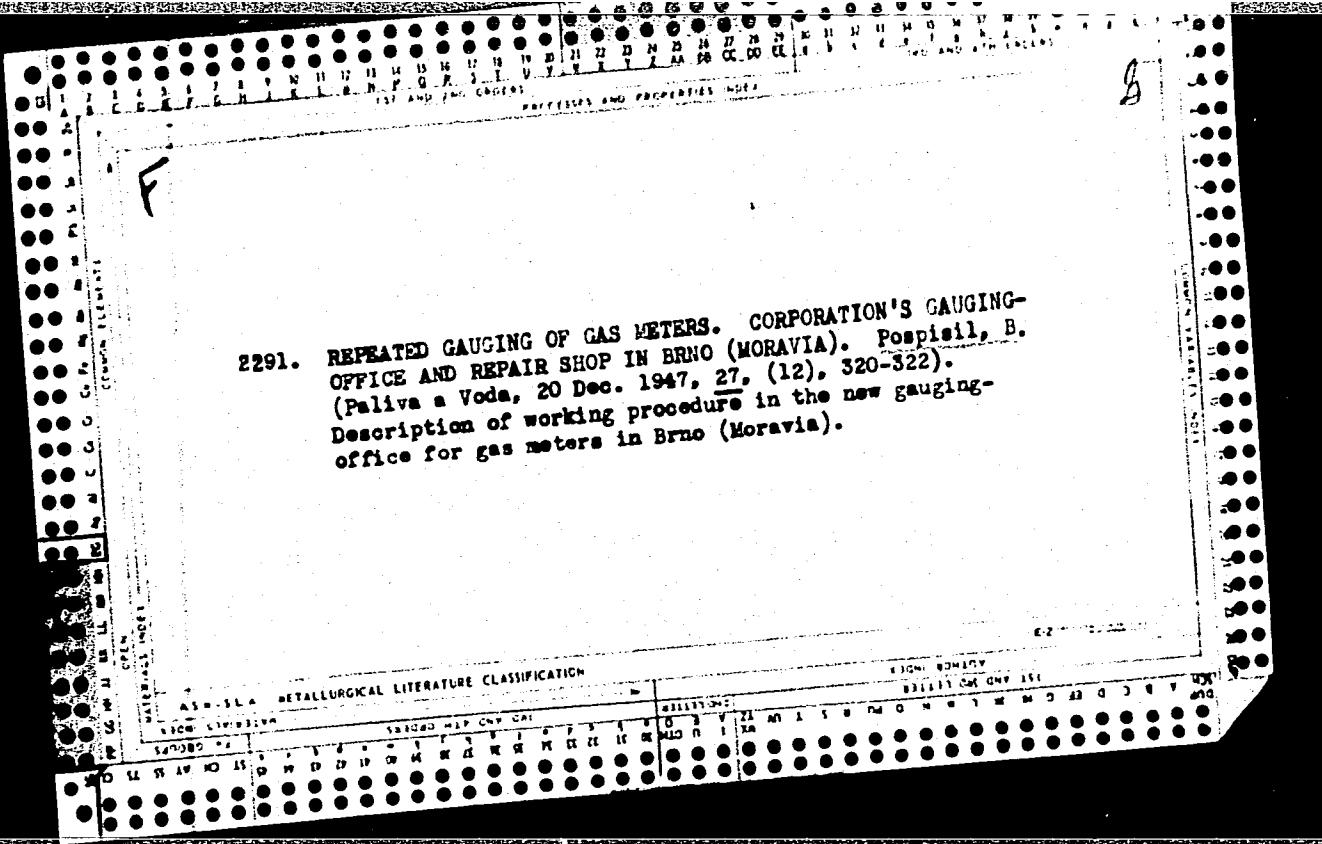
AUTHORS: Cajka, Josef, and Pospíšil, Brétilslav, Engineers

TITLE: A contribution to the design of amplifiers with matched output impedance

PERIODICAL: Slaboproudý obzor, v. 22, no. 12, 1961, 716-719

TEXT: The author demonstrates a method for calculating the ratio of audio frequency transformers in a final stage circuit of group amplifiers with multiple-loop feedback when matching is required on the input and output side as well as small nonlinear distortion and an optimum value of the load for the active dependent element, either a pentode or transistor. The author bases his calculation on a transmission element with n independent linear loops (circuits), where the feed generator of the internal impedance (Z_g) is connected to the input loop and the load impedance (Z_z) is connected to the output loop. For the entire transmission element, an impedance matrix (Z) can easily be established. Based on this

Card 1/2



S/271/63/000/001/021/047
D413/D308

AUTHOR:

Pospíšil, Bedřich

TITLE:

Technical data on selsyns produced in Czechoslovakia

PERIODICAL:

Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 1, 1963, 52, abstract LA287 (Automatizace, v. 5, no. 3, 1962, 61-67 (Czech.))

TEXT:

The author gives concise information on the properties of various types of selsyns, together with the circuits in which they are used. The list of types described includes simple and differential selsyn receivers and transmitters, sine-cosine resolver selsyns with two rotor windings, linear selsyns, etc. It is shown that the possibilities offered by selsyns are far from being exhausted. Tables of detailed technical data are given on the selsyns produced by the Czech Náchod factory (16 types altogether). They are designed for voltages of 90 - 115 V and supply frequencies of 400 - 600 c/s. The operating frictional moment is 3.5 - 18 g.cm;

Card 1/2

S/271/63/000/001/021/047
D413/D308

Technical data on selsyns ...

the ambient temperature can vary from -40 to +85°C etc. The ER41D27 type selsyn operates from 50 V at 300 - 6000 c/s. The selsyns are graded into four classes according to electrical symmetry errors: superclass - angular error $< 10^1$; class I - from 10¹ to 0.25°; class II - from 0.25 - 0.5°; class III - from 0.5 to 0.75°. According to the magnitude of static tracking error: class I - up to 0.5°; class II - from 0.5 to 1.0°; class III - from 1 to 1.5°.

[Abstracter's note: Complete translation]

Card 2/2

POSPISIL, Bedrich, inz.

Indicating selsyns. Automatizace 5 no.3:61-67 Mr '62.

1. Moravskoslezske elektrotechnicke zavody, n.p., Nachod.

27017

S/123/61/000/016/015/022
A004/A101

26.2.170

AUTHOR:

Pospíšil, Bořivoj

TITLE:

Determining the temperature field of gas turbine runners

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 16, 1961, 31, abstract 16I201 ("Energ. zařízení. Zprávy První brněnské stojirny", 1960, no. 1, 5 - 8 [Czechoslovakian], Russian, English and German summaries)

TEXT: To solve the problem of optimum cooling of runners of 1,000 and 6,000 kw gas turbines, the method of electrical simulation was used at the First Mechanical Engineering Plant in Brno. The temperature distribution in any body is determined by the Fourier differential equation which in the case of steady temperature conditions has the form:

$$\left(\frac{\partial^2 t}{\partial x^2} + \frac{\partial^2 t}{\partial y^2} + \frac{\partial^2 t}{\partial z^2} \right) = 0$$

and is formally identical with the equation of electric voltage distribution. This makes it possible to reduce the problem of temperature distribution in a body to the problem of voltage distribution in a geometrically similar conductor.

Card 1/3

27017

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A004/A101

Determining the temperature field ...

Such a conductor is a circuit composed of electric resistors. The circuit consists of 1,408 resistors adjustable to 5 k-ohm. Four-contact switches make it possible to switch off the corresponding unit or switch off any resistor. The two-contact switches permit the switching off of individual resistors of the horizontal rows of the circuit to adjust the system and to check the resistor state. Each unit point is switched on with the aid of a fork and a plug-in socket. To represent boundary conditions (along the model periphery), 50 potentiometers of 70 k-ohm each are mounted which continuously adjust the voltage in the range of 0-24 v. The model is supplied with 24-volt alternating current of 50 cps. The voltage between the unit points is measured by the bridge circuit. An oscillograph is used as zero-position indicator. The voltage difference from the bridge is led to the system for vertical deviations. For horizontal deviations a variable voltage of constant amplitude and the same frequency as the supply current is used. As a result, a straight line is obtained on the screen which, in a general case, is inclined. After balancing the bridge the line gets into the horizontal position. The line slope angle determines the direction and magnitude of unbalance. To determine the temperature field by the method of simulating the turbine runner, it is necessary to know, apart from the geometry, the values of the operation

Card 2/3

Determining the temperature field ...

27017

S/123/61/000/016/015/022
A004/A101

temperature, pressure, speed, composition and heat capacity of the medium flowing around the runner, and also the heat conductivity of the material of the blades, blade roots, cylindrical and face end surfaces of the runner and of the runner itself.

A. Zhukov

[Abstracter's note: Complete translation]

Card 3/3

Z/032/60/010/06/029/029
E073/E535

AUTHOR: Pospíšil, B., Prague

TITLE: Nomogram for Calculating Conical Friction Couplings

PERIODICAL: Strojirenství, 1960, Vol 10, No 6, Loose 2-page
appendix, pp I/35-I/36

ABSTRACT: Nomograms are given for the practical design calculations of conical friction couplings. The use of the nomograms is illustrated by an example of a coupling intended to transmit 8 h.p. at 600 r.p.m., the coupling dimensions being: average cone diameter 14.4 cm, width of the friction surface 4 cm, inclination angle $8^{\circ}40'$, friction coefficient 0.2.

Card 1/1

POSPISIL, B.

The reliability of work sheets and statistics. p. 19.
(ZELEZNICAR, Vol. 6, no. 1, Jan. 1956, Praha, Czechoslovakia.)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957,
Uncl.

POSTIJI, E.

Organoleptic effects of fortification by L-ascorbic acid.

P. 11h (Ministry of Health, Research Institute for Organization of Health Service)
Vol. 12, No. 7/8, July/Aug. 1957.

SG: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11 November 1957.

POSPISIL, B.

Comparative tests for forest planting tools. p. 683.

SBORNIK. RADA LESNICTVI Vol. 28, No. 5, Oct. 1955
Czechoslovakia

SOURCE: EAST EUROPEAN ACCESSIONS LIST Vol. 5, No. 7, July 1956

~~ROSPISIL, E.~~

Measuring the axial force of a steam turbine, and determinin its change caused by
blade fouling.

p. 669 (Strojirenstvi. Vol. 7, no. 9, Sept. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

POSPISIL, E.

Comparative tests for forest planting tools. p. 683.

SBORNIK, RADA LESNICTVI. Praha. Vol. 28, no. 5, Oct. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 7, July 1956.

9,3230 (1040,1139,1159)

32673
Z/039/62/023/002/007
D286/D305

AUTHOR:

Pospíšil, Brétislav

TITLE:

Solving linear systems composed of n-terminal networks

PERIODICAL:

Slaboproudý obzor, v. 23, no. 2, 1962, 70 - 75

TEXT: The article gives a method of directly setting-up the matrix for a linear system consisting of n-terminal networks. The system can be arbitrarily oriented and may contain an ideal transformer. By eliminating dependent mesh couples or loops of the ideal transformer, it is possible to set-up the matrix of the analyzed system directly when shortened admittance or impedance matrices of the component n-terminal networks are known. The resultant matrix then permits calculation of unknown variables or transfer characteristics of the network by conventional methods. To permit a simultaneous description of the loop-current method and the node-voltage method -- which are dual methods -- the author uses simplified terms and symbols taken

Card 1 / 5

Solving linear systems ...

32673
Z/039/62/023/002/002/007
D286/D305

from V.P. Sigorskiy. Only the excitation vector B is used in place of the vector of the excitation voltage U or of the excitation current I ; the desired vector H is used instead of the vector of the desired current I or the voltage U ; the matrix of the network Q is used in place of the impedance matrix of the system Z or the admittance matrix of the system Y ; and finally only the system of coordinates is used instead of the system of loops or system of mesh couples. These symbols are now used for direct setting-up of the network matrix. Assuming a network composed of m n-terminals, the shortened matrices of the individual n-terminal in a random coordinate system are Q_1, \dots, Q_m , the excitation vectors of the individual n-terminals are B_1, \dots, B_m , and desired vectors are H_1, \dots, H_m . The individual n-terminals can be expressed as follows.

$$B_1 = Q_1 \cdot H_1 ; \dots ; B_m = Q_m \cdot H_m,$$

or

Card 2/5

Solving linear systems ...

32673
z/039/62/023/002/002/007
D286/D305

$$\begin{bmatrix} B_1 \\ \vdots \\ B_m \end{bmatrix} = \begin{bmatrix} Q_1 & & \\ & \ddots & \\ & & Q_m \end{bmatrix} \begin{bmatrix} H_1 \\ \vdots \\ H_m \end{bmatrix} \quad (6)$$

where each symbol represents a sub-matrix. Considering all n-terminals, the equation reads

$$B_{(m,1)} = Q_{(m)} \circ H_{(m,1)} \quad (7)$$

or

$$B^t = Q^t \circ H^t \quad (8)$$

Card 3/5

32673

Z/039/62/023/002/002/007

D286/D305

Solving linear systems ...

respectively, since some coordinates are identical or linearly dependent (ideal transformer) when all n-terminals are connected into a single network. The dependence between the desired vectors $H_{(m,1)}$ and H' in Eqs. (7) and (8) can be expressed by the linear transformation

$$H_{(m,1)} = C_{(m,1)} \circ H' \quad (9)$$

where $C_{(m,1)}$ is the transformation or incidence matrix. The matrix of the system Q' of the resultant connection is given by the known equation

$$Q' = {}^T C_{(1,m)} \circ Q_{(m)} \circ C_{(m,1)}$$

where ${}^T C_{(1,m)}$ is the matrix transposed to matrix $C_{(m,1)}$. The above calculations are then applied to two practical examples, namely a network

Card 4/5

32673
z/039/62/023/002/002/007
D286/D305

Solving linear system ...

of three terminals and two ideal transformers solved by the node-voltage method and the loop-current method, and a transistorized push-pull amplifier with two feedback circuits. There are 5 figures and 12 references, 10 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: P. Corbeiller: Matrix analysis of electric networks. New York; Harvard University Press, John Wiley 1950, kap. II, III, pp 27 - 78; G. Kron: Tensor Analysis of networks. New York; J. Wiley, 1939, kap. V, VI, pp 117 - 173.

4

ASSOCIATION: Vojenská akademie A. Zápotockého, Brno (A. Zápotocký
Military Academy, Brno)

SUBMITTED: October 26, 1961

Card 5/5

POSPÍŠIL, BEDŘICH

Pospíšil, Bedřich. Wesentliche Primideale in vollständigen
Ringen. Fund. Math. 33, 66-74 (1945).

The author considers the ideals of the Boolean algebra
 $L(\alpha)$ of all subsets of a fixed class of infinite cardinal num-
ber α . He shows that $L(\alpha)$ contains 2^α prime ideals whose
complements contain α points. One can even select 2^α such
prime ideals, such that (i) every selected ideal has 2^α gener-
ators and (ii) any two selected ideals generate $L(\alpha)$.

G. Birkhoff (Cambridge, Mass.).

Source: Mathematical Reviews,

Vol. 8, No. 4

LFH

8M

S/196/62/000/020/013/021
E194/E155

AUTHOR: Pospisil, Bedrich

TITLE: Terminal board fixed on the stator end-windings of small electrical machines and selsyns

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.20, 1962, 19, abstract 20 I 119 P. (Czechoslovak Pat. cl. 21d, 51, 21 c, 27/02, no.99986, June 15, 1961).

TEXT: The construction of an insulating terminal board (laminated plastic, varnished cloth, fibreglass, etc) less than 2 mm thick, is patented. Apertures admit the stator winding conductors and retain the terminal soldering-tags. The board is bent to the surface of the end winding and is bent over in two planes perpendicular to the machine axis, so as to cover the terminals from the outside. Insulating tubes cover the soldered wires.

[Abstractor's note: Complete translation.]

Card 1/1

POSPISIL, Bohumil, dr.

World-wide increase of packaging material consumption. Prum
potravin 14 no.10:546-548 O '63.

1. Stredisko technickych informaci potravinarskeho prumyslu,
Praha.

POSPISIL, Bohuslav

Note on the National Conference on Gradual Shelterwood Cutting. Les cas 9 no.4/5:267-274 '63.

1. Namestek ministra zemedelstvi, lesniho a vodniho hospodarstvi.

CAJKA, Josef; Pospisil, Bretislav

Terms used in the theory of linear electric circuits. Slaboproudny
obzor 24 no.1:50-51 Ja '63.

POSPISIL, Bretislav

Linear network systems composed of n-terminal networks.
Slaboproudý obzor 23 no.2:70-75 F '62.

1. Vojenska akademie A. Zapotockeho, Brno.

Z/039/63/024/004/001/007
E140/E335

AUTHOR: Pospíšil, Bretislav.

TITLE: Certain applications of the direct construction of
the system matrix

PERIODICAL: Slaboproudý obzor, v. 24, no. 4, 1963, 191 - 193

TEXT: The work illustrates the use of a special notation for
a transformation matrix $|C|$ developed by the author. The trick
consists of writing the non-zero coefficients of the transformation
matrix at the side (along the top) of the matrix being transformed,
instead of explicitly in the form of the matrix $|C|$, appropriately
weighted to indicate which column (row) is indicated, as shown by
a comparison of Eqs. (1) and (2):

$$\begin{bmatrix} U_1 \\ U_2 \\ U_3 \\ U_4 \end{bmatrix} \cdot \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ -1 & 0 & 0 & 1 \\ 0 & -1 & 1 & 0 \end{bmatrix} \cdot \begin{bmatrix} U'_1 \\ U'_2 \\ U'_3 \\ U'_4 \end{bmatrix} = C \cdot \begin{bmatrix} U'_1 \\ U'_2 \\ U'_3 \\ U'_4 \end{bmatrix}. \quad (1)$$

Card 1/3

Z/039/65/024/004/001/007
E140/E335

Certain applications of

(1) (2) -(1)
(4) (3)

y_{11}	y_{12}	y_{13}	y_{14}
y_{21}	y_{22}	y_{23}	y_{24}
y_{31}	y_{32}	y_{33}	y_{34}
y_{41}	y_{42}	y_{43}	y_{44}

(1)

(2)

-(1); (4)

-(2); (3)

Then:

1 2 3 4

$y_{11} - y_{21} -$ $-y_{12} + y_{22}$	$y_{11} - y_{31} -$ $-y_{12} + y_{32}$	$y_{11} - y_{41} -$ $-y_{12} + y_{42}$	$y_{11} - y_{22} -$ $-y_{13} + y_{32}$
$y_{21} - y_{31} -$ $-y_{22} + y_{32}$	$y_{21} - y_{41} -$ $-y_{22} + y_{42}$	$y_{21} - y_{32} -$ $-y_{23} + y_{32}$	$y_{21} - y_{42} -$ $-y_{23} + y_{42}$
$y_{31} - y_{41} -$ $-y_{32} + y_{42}$	$y_{31} - y_{42} -$ $-y_{32} + y_{43}$	$y_{31} - y_{43} -$ $-y_{32} + y_{43}$	$y_{31} - y_{43} -$ $-y_{32} + y_{43}$

1

2

3

4

(2)

(3)

which transforms the node-voltages of Fig. 1 from the broken-line coordinates to the full-line coordinates. Similar relationships hold for loop-current transformation. There are 4 figures.

Card 2/3

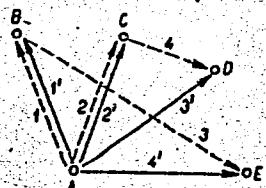
Certain applications of

Z/039/65/024/004/001/007
E140/E335

ASSOCIATION: Vojenská akademie Antonína Zapotockého, Brno
(A. Zapotocky Military Academy, Brno)

SUBMITTED: November 12, 1962

Fig. 1:



Card 5/3

POSPISIL, E.

"The 11th International Road Congress in Rio de Janeiro."

p. 22 (Slnice) Vol. 6, no. 12, Dec. 1957.
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

PÖSTISIL, F.

Plasma-arc torches. p. 185.

ZVARANIE. (Ministerstvo hutneho prymyslu a rudnych bani a Ministerstvo
strojarenstva)
Bratislava, Czechoslovakia. Vol. 8, no. 6, June 1959.

Monthly list of East European Accessions (EEIA) Vol. 9, no. 1, Jan. 1960.

Uncl.

HE SPISHIL, F.

CZECHOSLOVAKIA/Plant Physiology - Mineral Nutrition.

I-3

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19970
Author : Pospishil, F.
Inst :
Title : The Effect of the Isotopes of S35 and P32 on the Electrical Potential of Roots.
Orig Pub : Ceskosl. biol., 1956, 5, No 3, 180-184.

Abstract : The root potential in seedlings of corn and sunflower in Knopp's nutritive solution was about -30 mV. In changing this solution to one containing 26-50 M curie of P32 and S35 in 10 ml, the root potential was established at ~0 in 40-20 minutes. In an increase of P32 to 100 M curie the potential grew to -60 mv. It was pointed out that in tracing the results of the experiments with radioactive indicators it was necessary to take into account the influence of the radioactive indicators on the condition of the plants. This work was carried out at

Charles' University in Prague.

Card 1/1

L 35334-66

ACC NR: AP6006950 (A) SOURCE CODE: CZ/0069/65/000/010/0425/0440

AUTHOR: Pospisil, E. (Engineer); Kratky, J. (Engineer, Candidate of sciences)ORG: State Institute for Transportation Projects, Prague (Ustav dopravního-
projektování)
14TITLE: Construction of bridges and culverts for the wide-gage Matovce-Haniska
railroad line

SOURCE: Inzenýrske stavby, no. 10, 1965, 425-440

TOPIC TAGS: railroad, railway construction, railway bridge

ABSTRACT: A new, 90-km long, wide gage railroad between Matovce, Trebisov and Haniska in Eastern Slovakia has been under construction since 1963 with a construction deadline of 1 May 1966. The State Institute for Transportation Projects (SUDOP) and Soviet experts designed and drew up the construction work. The present paper deals in detail with the problems of the project, the production of prefabricated components and their installation. It includes an outline of contemporary Soviet construction methods of railroad bridges, with technical details on culverts, load-bearing and substructures of bridges, manufacturing methods, transportation and installation of bridges in various terrains, and economic considerations. Graphic material shows detailed cross sections and photographs of several bridges; one of the tables presents data on load-bearing structures of Soviet railroad bridges. Orig. art. has: 20 figures, and 6 tables. [KS]

Card 1/1 SUB CODE: 13/ SUBM DATE: none 1/1 UDC: DT 624.21:625.1

FUSPISIIL, E. SAFARIK, P.

The use of aminoresins in the leather industry and their influence on the growth
of mold. p.93. (Kozarstvi, Vol.7, no. 4, Apr. 1957) Praha

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

POSPISIL, E.

Our present experience with the organization basis of feeding stuffs. p. 15
(Rolnicke Mlasy Vol. 11, no. 4, Apr. 1957 Praha)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

PCSPISIL, SVZEN

Prestavba silnicni site v CSR. Statni nakl. technicke literatury, 1955. r. 119.

Source: East European Accession List. Library of Congress
Vol. 5, No. 8, August 1956

POSPISIL, E., inz.

Results of the research on highways and highway transportation.
Síln doprava 11 no.1:8-11 Ja '63.

POSPISHIL, F. [Pospisil, F.]

Electrophoresis of humus substances and their complexes with
copper. Pochvovedenie no.12:44-52 D '62. (MIRA 16:2)

1. TSentral'nyy nauchno-issledovatel'skiy institut rasteniyevodstva,
Praga - Ruzyne.
(Electrophoresis) (Humus) (Copper compounds)

Z/046/61/000/004/008/009
D007/D102

AUTHORS: Vintr, J., and Pospíšil, F.

TITLE: Welding of steam- and gas-turbine rotors

PERIODICAL: Zváračský sborník, no. 4, 1961, 479-495

TEXT: The article describes welding of steam and gas-turbine rotors as practiced by the IBZKG - První brněnská strojírna ZKG (First Brno Machine Works, Klement Gottwald Works) in Brno. After discussing the advantages of rotor welding, and steel grades and filler materials suitable for this purpose, the author describes in detail manual-arc and automatic-submerged-arc welding tests and recommended technologies resulting from these tests. Manual-arc welding tests were based on a method recommended by the Výskumný ústav zváračský (Welding Research Institute) in Bratislava and the VZKG - Vítkovické železárnny Klementa Gottwalda (Klement Gottwald Vítkovice Iron Works) in Ostrava, where steel types CSN 16 221, CSN 16 322, and especially CSN 15 320 (CrMoV) are welded with V-D-Mo and modified "V-Lof svor" (CrMoV) electrodes respectively. Weldability tests were made according to the RD

Card 1/3

Z/046/61/000/004/008/009
D007/D102

Welding of steam- and

method (fixed clamping) and showed that the notch toughness of the weld metal decreases at preheating to temperatures above 500°C, but increases when higher tempering temperatures are used. For welding CSN 16 221 and 16 322 steels, it is recommended to preheat the welding zone to 250 - 300°C and to use V-D-Mo electrodes which were dried for 2 hrs at 150 - 300°C prior to welding. The first bead should be applied by upward welding in the inclined position, the remaining beads by downward welding. After the welding process, the rotor should be kept at preheating temperature for 1 hr and should then be annealed at 580 - 620°C. For welding CSN 15 320 steel, the rotor should be preheated to 350 - 400°C and "V-Lof svor" electrodes used which were dried for 2.5 hrs at 350 - 400°C immediately prior to welding. The rotor is kept at the preheating temperature for 6 hrs after welding, gradually cooled, and finally annealed at 685 - 700°C. Automatic submerged-arc welding tests were made on pilot-production scale with a suspended VUS 36 1 welding head. Confirmed by the tests, the following method is recommended: Rotors are preheated to 250 - 300°C. This temperature is maintained throughout the entire welding process and for 2 hrs after its completion. The

Card 2/3

Z/046/61/000/004/008/009
D007/D102

Welding of steam- and

rotor is finally annealed at 580 - 620°C. The root is welded manually, and the weld is completed by automatic welding at 600 A, 38-40V, with a speed of 20 - 25 m/hr, using D-Mo wire electrodes and VUS 2Ba flux. In conclusion the author stresses the following advantages of rotor welding: Rotors can be made from smaller parts; scarce alloys can be saved; and rejects are considerably reduced. There are 16 figures. (Technical Editor: Engineer J. Zeke of the VÚZ Bratislava).

ASSOCIATION: IBZKG, n. p., Brno (IBZKG, National Enterprise, Brno)

Card 3/3

POSPISIL, F.

V

Fractionation of humus substances of several soil types in
Czechoslovakia. Rost výroba 10 no. 5/6:567-579 My-Je 164.

POSPISIL, Frantisek, inz.

Construction of stabilized road beds for highways. Inz stavby 10 no.10:
Suppl: Mechanizace no.10:118-123 '62,

i. Silnicni vyvoj, Brno.

DIENSTBIER, Zd.; POSPISIL, J.

Experimental contribution to the prognostic importance of the peripheral blood changes in the course of acute radiation injury. Sborn. lek. 65 no.1:1-7 Ja '63.

1. Biofyzikalni ustav fakulty vseobecneho lekarstvi University Karlovy v Praze Veterinarni vyzkumne stredisko v Praze.
(RADIATION INJURY EXPERIMENTAL) (BLOOD CELL COUNT)
(LEUKOCYTE COUNT) (ERYTHROCYTE COUNT) (HEMATOCRIT)

POSPISIL, JAN

6. TROPICAL HYGIENIC AND SANITARY INVESTIGATION IN THE HABITS AND DISEASES OF THE POPULATION, PREVENTIVE MEDICAL AND SANITARY MEASURES, CLINIC OF INFECTION DISEASES AND LEPROSIS, INSTITUTE OF DISEASES OF EARTHQUAKE, MEDICAL, PUBLIC AND HYGIENIC ASPECTS OF DISASTERS, MEDICAL AND BIOCLOGICAL STUDY, VIBRATORY IN SENSATION, IN 1952 77 17-200
[English version]

7. A POSITION OF SCIENCE IN PREVENTION AND PRACTICE OF THE BLOD-DISSEMINATING DISEASES (1952 77 17-200, 1952 77 17-200, 1952 77 17-200)

8. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

9. REPORT OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

10. ACUTE INFLAMMATION CAUSED BY CHAMOMILE AND OTHER HERBS (1952 77 17-200, 1952 77 17-200, 1952 77 17-200)

11. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

12. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

13. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

14. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

15. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

16. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

17. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

18. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

19. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

20. REPORT ON THE FIELDWORK OF THE MEDICAL AND SANITARY COMMISSION ON THE HABITS AND DISEASES OF THE POPULATION ALONG CHINA-HONGKONG BORDER (1952 77 17-200, 1952 77 17-200)

10

VINTR, J.; POSPISIL, F.

Welding of rotors of steam and gas turbines. Zvar sbor 10
no. 4:479-495 '61.

1. Prvni brnenska strojirna, Zavody Klementa Gottwalda, n.p.,
Brno.

Pospisil, F.

Effect of the radioisotopes P³² and S³⁵ on the change of electric potential in roots. P. 180
CESKOSLOVENSKA BIOLOGIE. (Ceskoslovenska akademie ved. Biologicky
ustav) Praha
Vol. 5, no. 3, May 1956

Source: EEAL - LC Vol. 5. No. 10 Oct. 1956

POSPISIL, Frantisek. (gyn. por. klin. VIA JEP)

Analysis of perinatal mortality in postmature pregnancies during 1952-1956. Cas. gyn. 23[37] no.4:315-317 June 58.

1. Gyn. por. klin. VIA JEP, prednosta prof. Dr. Sc. J. Pazourek.
(INFANT MORTALITY, statistics
caused by prolonged pregn. (Cz))

KREJCI, Ferdinand, inz.; POSPISIL, Frantisek, inz.

Technical development in the cooling tower construction. Inz
stavby 10 no.9:330-338 S '62.

l. Armbeton, n.p., Praha.

POSPISIL, F.

30 years of the Communist Party in Czechoslovakia and the
universities. Cesk. gyn. 16 no.5-6:213-219 1951. (CLML 22:2)

POSPISIL, F.

Therapy of febrile post partum and post abortum residue.
Cesk. gyn. 15 no.6;470-478 1950 (CLML 20:1)

l. Of the Third Gynecological and Obstetrical Clinic (Head--
Prof. J. Trapl, M. D.) Prague.

POSPISIL, F.

[Relation of infectious diseases to premature births] Infekcni choro-
by a predcasne porody.. Cesk.gyn. 15 no.1-2:94-101 '50. (CML 19:1)

l. Of the Third Obstetric-Gynecological Clinic (Head -- Prof. J.Trapl,
M.D.), Prague.

POSPISIL, F.

[Relation of infectious diseases to premature births] Infekcni choro-
by a predcasne porody.. Cesk.gyn. 15 no.1-2:94-101 '50. (CLML 19:1)

l. Of the Third Obstetric-Gynecological Clinic (Head -- Prof. J.Trapl.
M.D.), Prague.

POSPISIL, F

POSPISIL F.

Infekcni choroby a predcasne porody. [Relation of infectious diseases to premature births] Cesk. gyn. 15:1-2 1950 p. 94-101.

1. Of the Third Obstetric-Gynecological Clinic (Head — Prof. J. Trapl, M.D.), Prague.

POSPISIL, F.

"Strojni provadeni stabilisovanych vozovek. Praha, Vedecko-technicke nakl.,
1951. 26 p. (Brno. Vysoka skola technicka. Ustav stavby silnic. Drobne spisy,
illus., tables)"

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

BARTOUSEK, Vladimir, MUDr.; POSPISIL, Frantisek, MUDr.

Treatment of cerebral complications in obstetrics by artificial hibernation. Cesk. gyn. 21-35 no.2;112-119 Mar 56.

(PREGNANCY, compl.
brain dis., ther., artif. hibernation.
(BRAIN, dis.
in pregn., ther., artif. hibernation.
(HIBERNATION, artif.
in brain dis. in pregn.

POSPISIL, FRANTISEK.

"Udrzovani sterkovych vozovek valcovanim a valcovani zevnitr americkym zpusobem.
Zkusenosti z prvych pokusu s michanim zivicne smesi na vozovce. V Praze, 1949.
39 p. (Brno. Vysoka skola technicka. Ustav stavby silnic. Drobne spisy, c. 2)
(Maintenance of gravel roads by rolling and stabilizing by the American method:
experience in the first experiments in mixing feldspar mixtures on the roadway.
illus.)

SO: East European Accessions List, Vol 3, No 8, Aug 1954.

POSPISHIL, Iozef [Pospisil, Josef] (g. Praga).

Improving methods of organizing train movements. Zhel. dor. transp.
39 no. 5:24-25 My 1957. (MLRA 10:6)

1. Machal'nik Tsentral'nogo upravleniya dvizheniya i perevozok
Ministerstva transporta.
(Czechoslovakia--Railroads--Management)

POSPIESIL, J.

New experience with planting potatoes in checkrows. p. 110.
MECHANISACE ZEMEDELSTVI. Vol. 5, No. 6, Mar. 1955

SO: Monthly East European Accession (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

FOSPIŠIL, J.

Problem of planning power plants in Poland. p.142

ENERGETIKA. (Ministerstvo energetiky a Československe vedecka technicka spolecnost pro energetiku pri Československe akademii ved) Praha, Czechoslovakia
Vol.5, no.4, Apr. 1955

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11, Nov. 1959, Uncl.

POSPISIL, J.

Deciding factors in marshaling yards. p. 289.

ZELEZNICNI DOPRAVA A TECHNIKA. (Ministerstvo dopravy)
Praha, Estonia. Vol. 7, no. 10, 1959.

Monthly list of East European Accessions (EEAI), Vol. 9, No. 1, Jan. 1960.

Uncl.

COUNTRY	:	Czechoslovakia	G-2
CATEGORY	:		
ABS. JOUR.	:	RZhKhim., No. 22 1959, No.	78554
AUTHOR	:	Pospisil, J. and Ettel, V.	
NAME	:	Not given	
TITLE	:	The Oxidation of Pyrocatechin. IV. The Oxida- tion of 4-ter-octylpyrocatechin.	
ORIG. PUB.	:	Collection Czechoslov Chem Commun, 24, No 3, 729- 738 (1959)	
ABSTRACT	:	See RZhKhim, 1959, No 10, 34819.	

CARD: 1/1

(POSPISHIL, Khrastil)

Czechoslovakia/Plant Physiology

Respiration and Metabolism

H-2

Abs Jour : Referat. Zh - Biol., No 6, 25 March 1957, 22333

Author : Pospishil, Khrastil

Inst : Not given

Title : Paper chromatography of carbohydrates from Taraxacum
kok-saghyz

Orig Pub : Ceskosl. biol., 1954, 3, No 6, 363-365

Abstract : The carbohydrate metabolism of roots, leaf bases and summits of flowering and non-flowering annual and biennial plants was studied on aqueous extracts of kok-saghyz by paper chromatography. In the roots of flowering and non-flowering biennials free glucose, fructose and sucrose are found. In leaf tops of non-flowering biennials fructose is found, which is absent either in tops or at the base of leaves in flowering biennials. The roots of non-flowering annuals contained glucose, fructose and sucrose; in roots of flowering annuals free glucose was absent. In leaf tops of flowering and non-flowering annuals the composition of sugars was the same. The roots and leaves of non-flowering annuals did not differ in sugar composition from those of the non-

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-7-

BROTANEK, Vl.; POSPISIL, J.

Menorrhagia caused by irregular shedding of endometrium. Cesk. Zdrn.
25[39] no.7:553-558 S '60.

1. Ustav pro peci o matku a dite v Praze-Podoli, prednosta doc.
dr. Vojta.

(MENORRHAGIA AND METORRHAGIA etiol.)

DIENSTBIER, Z.; ARIENT, M.; POSPISIL, J.

Nonspecific post-irradiation leukocyte changes. Cas.lek.cesk 99
no.32-33:1007-1013 12 Ag '60.

1. Biofyzikalni ustav lekarske fakulty KU v Praze, Vojensky ustav
hygiene, epidemiologie a mikrobiologie v Praze, Veterinarni
vyzkumne stredisko v Praze.
(LEUKOCYTES radiation eff.)

POSPISIC, J.

C-7K ✓ Properties and technological importance of organic per compounds. Jan Pospisil (Vysoká škola chem.-technol., Prague). *Chemie* (Prague) 10, 301-3 (1955).—Informative article on handling and applications of org. peroxides as catalysts of chain reactions, oxidants, etc. T. M. Habs

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POSPISIL, J.

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Oxidation of diphenols. Jan Pospíšil (Vysoké školy chem.-technol., Prague). *Chemie* (Prague) 10, 670-81 (1958).—An informative article with 48 references on the prepns. of 1,2-benzoquinone, 1,4-benzoquinone, quinhydrone, 2,5-dihydroxy-1,4-benzoquinone, tetrachloro- and tetrabromo-1,2-benzoquinone, chlorinated cyclohexenediones, tetrahalogenated 1,4-benzoquinones, *cis,cis*-muconic acid, β -oxoadipic acid, *cis*-ethylene oxide dicarboxylic acid, resorcin blue and brown, artificial phenolic humic acids, and on the use of diphenols in gas analysis and as antioxidants.

I. M. Hause

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POSPISIL, J.

Oxidative changes of compounds with pyrocatechol structure. I. Oxidation influence of different reagents. Jan Pospisil (Tech. Univ., Prague). *Kotátková 9, 260-9* (1959).—The oxidn. of pyrocatechol (I) was easier than that of other polyphenols. Dark humic substances (II) and unstable red compds., probably of quinoid origin, were the oxidn. products in H₂O soln. and at a pH over 7.0. Oxidn. in a MeOH soln. of KOH gave 2,5-dihydroxy-1,4-benzoquinone (Etzel, *C.A.* 51, 10413i, 15149a). Oxidn. of 4-methylpyrocatechol gave unstable 2-hydroxy-5-methyl-1,4-benzoquinone (*C.A.* 52, 4540g); a corresponding alkylhydroxybenzoquinone was an oxidn. product of 4-tert-octylpyrocatechol (*C.A.* 53, 5104c). Further oxidns. of I were described. II. Principal reaction mechanisms in the presence of O₂ and H₂O₂. *Ibid.* 295-9.—A review of recent work. Oxidn. of I by O₂ and H₂O₂ was used to study its mechanism and the influence of structure on products formed. Pure o-benzoquinone was not obtained because of its dimerization. Its homologs were more stable. Mono-hydroxybenzoquinones were relatively stable. During the autoxidn. of I, 2,5-dihydroxy-1,4-benzoquinone and II were formed. Hydrolyzable tannins (III) contained phen-

olic OH groups and were readily oxidized as were phenolic derivs. of flavans, which autoxidized to red III. The mechanism was similar to that for the formation of melanins or purpurogallin. Lignin was also readily autoxidized in alk. medium and II was formed. At 55 atm. and 200° 12% of a mixt. of low-mol. wt. acids were formed. By oxidn. with O₂, 25-35% vanillin was formed. Higher simple phenols or their well-defined derivs. were good model substances for the formation of II and melanins. The knowledge of the autoxidn. of phenolic substances was helpful in choosing more stable substances for the production of syntans. During the condensation of phenols with HCHO, quinoid substances may be formed with subsequent redoxening of the products. This reaction may be hampered by the formation of the ethylened bridge by condensation with AcII, or entirely prevented by an isopropylidene bridge (condensation with acetone). From the oxidn. products of substances with a I structure, muconic acid, alkylhydroxybenzoquinones, and vanillin were produced. L. Masner—

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39 (W/3)

POSPISIL, J.

A conference on catalysis in the German Democratic Republic. p. 86

CHEMICKE PRUMYSI. (Ministeratvo chemickeho prumyslu) Praha, Czechoslovakia
Vol. 9, No. 2, Feb. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959
Uncl.

COUNTRY	: CZECHOSLOVAKIA
CATEGORY	: Organic Chemistry, Synthetic Organic Chemistry
ABC. JOUR.	: REKhim., No. 23 1959, No. 82248
AUTHOR	: Pospisil, J.; Ettel, V.
INST.	: "
TITLE	: Oxidation of Pyrocatechin. III. Oxidation of 4-methyl-pyrocatechin
ORIG. PUB.	: Collect. Czechosl. Chem. Commun., 1959, 24, No 2, 341-346
ABSTRACT	: No abstract. See REKhim., 1958, No 19, No 64206

CARD:

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CA

PROBLEMS AND PRACTICAL WORKS

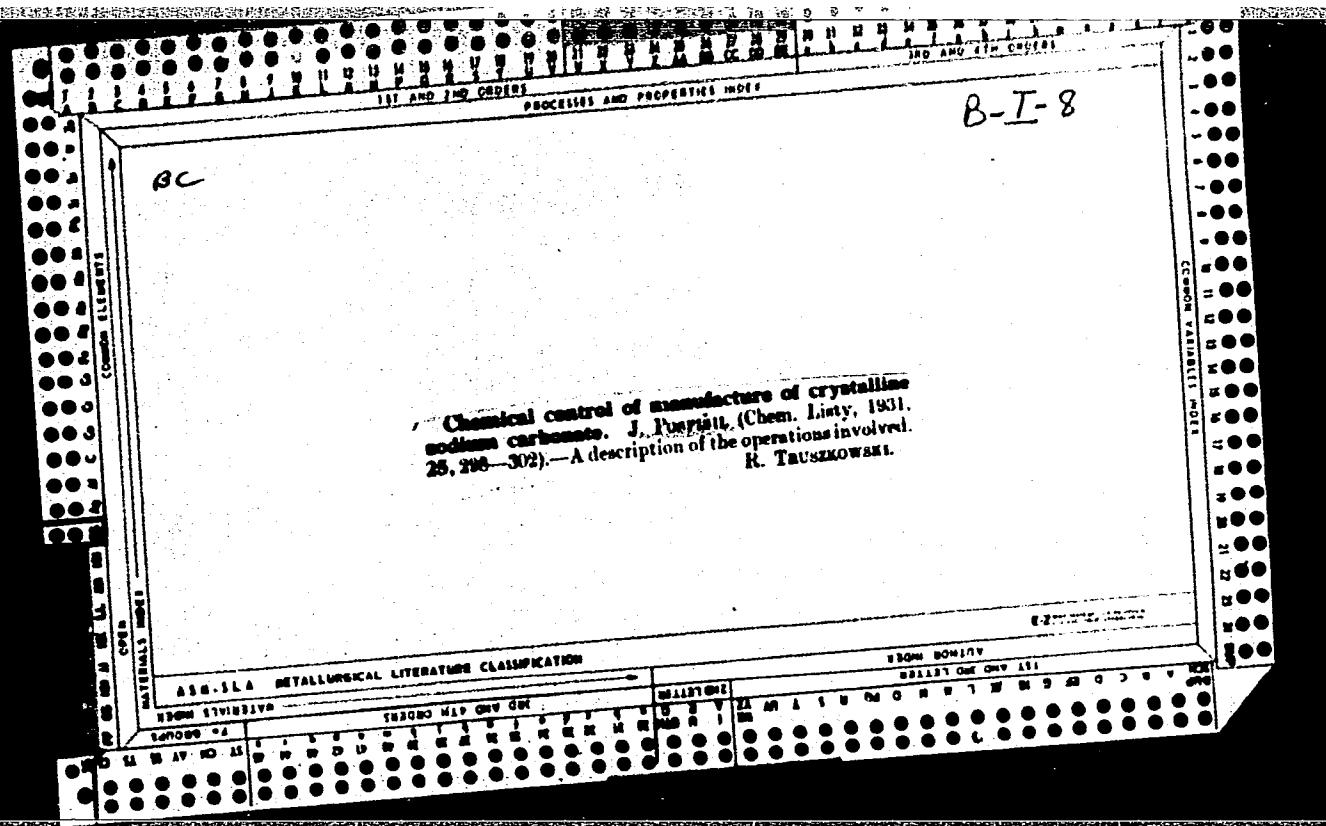
Preparing mercury from emulsions. J. Postgate, *Chem. List* 26, 41 (1933). The Hg precip. are mixed with an equal amount of KNO₃, moistened with C₆H₆ and ignited. About 20% of the Hg is then recovered by titrating the mass; Hg is lost in the vapors and cannot be recovered; some is oxidized by KNO₃. A slow heating forms larger drops of Hg, and about 38% Hg is recovered. By extg. the emulsions twice with C₆H₆, most of the org. dispersing media are removed and the Hg collects to form large drops. After drying for a few hrs. in a thin layer in a vessel cooled by air, the Hg is distil. over. The org. matter remains as a thin carbon mass. The remaining Hg segregates from the carbon and almost 100% is recovered. The C₆H₆ may be regenerated by distn.

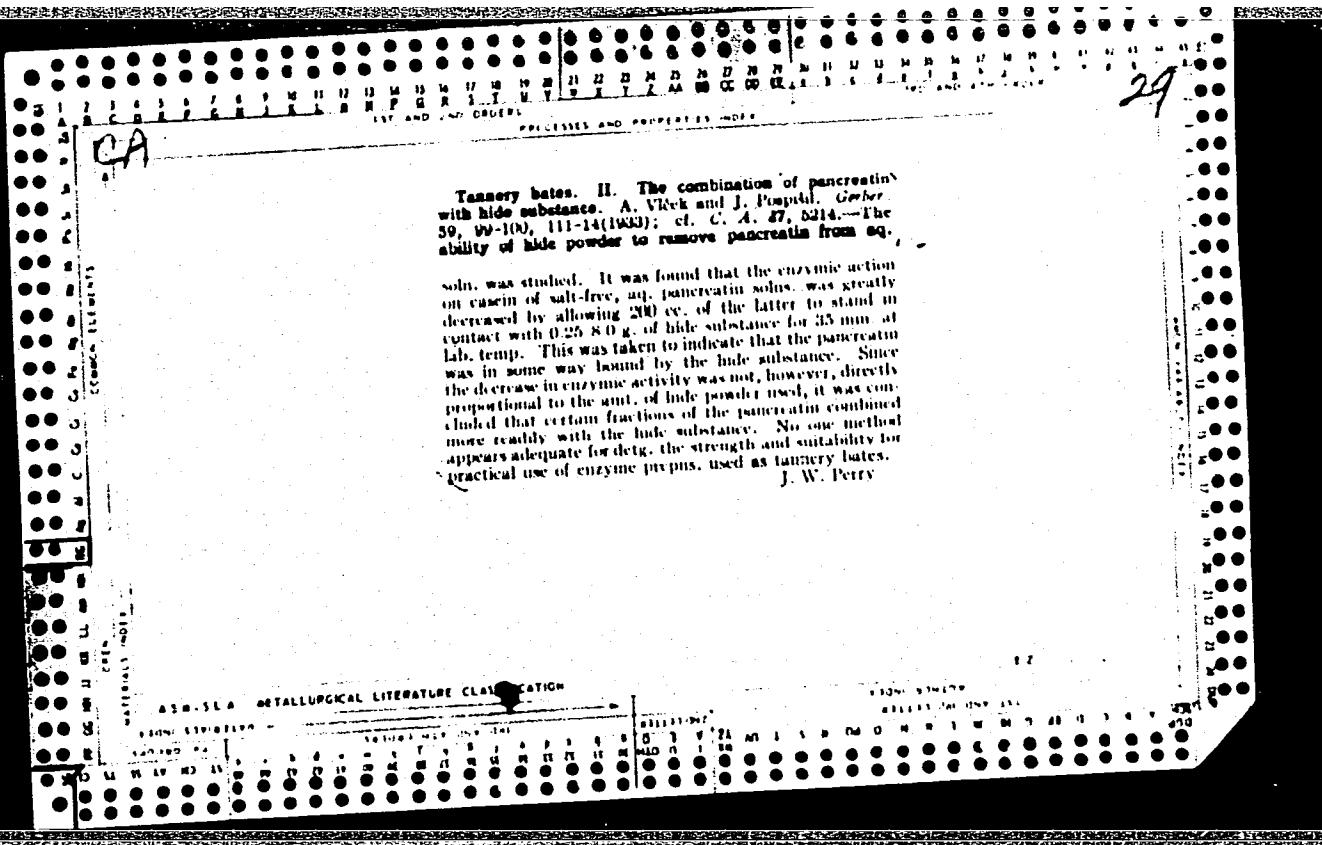
FRANK MARKHIT

430.114 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001342620003-0"





EXCERPTA MEDICA Sec 18 Vol 3/8 Cardio. Dis. Aug 59

2171. Coronary complications in Buerger's disease Koronarni komplikace u Buergerovy choroby. POSFISIL J. and HOMOLA D. I. a III. Vnit. Klin. MÚ, Brno *Vnitřní Lek.* 1959, 5/1 (66-69) Tables 1

The authors quote 94 patients with thromboangiitis obliterans Buerger, in 6 of whom insufficiency of coronary arteries was proved through ECG or anamnesis. All these patients were in stages I and II of the disease and were in the age of 37, 46, 49, 52, 56 and 57 yr. On the other hand, none of 24 patients in stage III of the disease showed any signs of coronary insufficiency. From these experiments the authors conclude that the coronary complications in Buerger's diseases originate more often in higher age where the coronary changes cannot be attributed to endarteritis obliterans only, but mainly to simultaneous arteriosclerotic changes. (XVIII, 6, 19)

POSPISIL, J.; DEVL, Z.; ETEL, V.

"Chromatographic separation of mixtures containing nitrogen compounds"
In German. P. 234.

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, Praha, Czech.,
Vol. 24, No. 1, Jan. 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6, Sept. 59
Unclassified

POSPISIL, J.

SURNAME, Given Name

Country: Czechoslovakia

Degrees:

Affiliations:

Sources: Ceskoslovenska Hygiena, Vol V, No 2-3, Prague, Mar 60, p 152.

Dates:

KELSTI, J.
Affiliations: Institute of Hygiene LFUK [?], Bratislava,
Institute of Hygiene of the University in Brno, and member of the
Kraj. Hygiene and Epidemiological Station-KHV [?], Prague.
Dates: Co-author of "The Problem of Methaemoglobinemia in
Infants in Czechoslovakia," Source, p 152.

B.c.

TMETAL, F.
Affiliations: Institute of Hygiene LFUK [?], Bratislava,
Institute of Hygiene of the University in Brno, and also, member
of Kraj Hygiene and Epidemiological Station-KHV [?] in Prague.
Dates: Co-author of "The Problem of Methaemoglobinemia in
Infants in Czechoslovakia." Source, p 152.

ABSOLONOVA, O.
Affiliations: Institute of Hygiene LFUK [?], Bratislava,
Institute of Hygiene of the University in Brno, and also, member
of Kraj Hygiene and Epidemiological Station-KHV [?] in Prague.
Dates: Co-author of "The Problem of Methaemoglobinemia in
Infants in Czechoslovakia." Source, p 152.

POSPISIL, J.
Affiliations: Institute of Hygiene LFUK [?], Bratislava,
Institute of Hygiene of the University in Brno, and also, member
of Kraj Hygiene and Epidemiological Station-KHV [?] in Prague.
Dates: Co-author of "The Problem of Methaemoglobinemia in
Infants in Czechoslovakia," Source, p 152.

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SONKA, J.; KOMORNÍK, J.; BERNSTEIN, R.

Pentose cycle and radiation injury. Čas. lek. česk. 103 no.46:
1343-1344 N 27 '64.

1. laborator pro endokrinologii a metaboliku fakulty všeobecného
lekárství Karlovy Univerzity v Praze, (vedoucí akademik J. Charvát)
a Biophysikalni ústav fakulty všeobecného lekárství Karlovy Univer-
zity v Praze (prednosta doc. dr. Z. Lienert).

L 25983-66 RO

ACC NR: AP6015118

(A)

SOURCE CODE: CZ/0060/66/000/002/0050/0055

AUTHOR: Pokorny, J. (Lieutenant colonel; Docent; Doctor of medicine; Candidate of science); Pospisil, J. (Docent; Doctor of veterinary medicine; Candidate of science) 23
B

ORG: [Pokorny] Anesthesiology Department, Central Military Hospital, Prague (Anesteziologicke oddeleni Ustredni vojenske nemocnice); [Pospisil] Institute of Biophysics FVL KU /headed by Prof. Zdenek Dienstbier, M. D., Dr. Sc./, Prague (Biofyzikalni ustav FVL KU); Veterinary Research Center, Prague (Veterinarni vyzkumne stredisko)

TITLE: Changes in toxicity of certain anesthetic drugs used in experiments on mice with acute radiation illness 19

SOURCE: Vojenske zdravotnicke listy, no. 2, 1966, 50-55

TOPIC TAGS: drug effect, drug toxicity, anesthetic drug, radiation sickness

ABSTRACT: The need to know the toxicity of certain anesthetics to persons suffering from radiation sickness led to the present study of 14 anesthetic drugs. The following drugs — mostly Czechoslovakian products — were tested: thiopental, syntostigmin, succinylcholinjodid, procuran, tubocurarin, remylan, syntophyllin, calcium chloratum, largactil, dolsin, procain, mesocain, hexamethonium and thiameton. Laboratory mice were irradiated using the Makrophos 250 apparatus. A total of 410 animals were tested; the drugs were injected intravenously in 5 doses, each drug to 10 irradiated

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animals and to 10 control animals. The test results are shown in a table and in graphs. From the data, tentative conclusions may be shown concerning use of these anesthetics during acute radiation sickness. However, final judgment should be reserved until the methods of administering clinical anesthesia to irradiated animals have been verified. Major changes in relative toxicity were found with chloropromazin (largactil) and mezocain. The authors consider the administration of these drugs to irradiated organisms to be unsuitable, while thiopental is considered safe, even in cases of acute radiation illness. Orig. art. has: 8 figures and 2 tables. [KS]

SUB CODE: 06/ SUBM DATE: none/ ATD PRESS: 4256

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in their toxicity. AMT administration before irradiation is not effective; its toxicity is too high for use in treatment of human beings. 2 Figures, 5 Tables, 28 Western, 3 Czech, 2 Russian references. (Manuscript received Oct 65)

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001342620003-0"

L 34650-05 E/T(m)

ACC NR: AP6026247

SOURCE CODE: CZ/0060/66/000/001/0014/0018

AUTHOR: Pokorny, Jiri (Lieutenant colonel; Docent; Doctor of medicine; Candidate of sciences); Pospisil, Jan (Docent; Doctor of medicine; Candidate of sciences)

ORG: Pokorny Department of Anesthesiology, Central Military Hospital, Prague (Anestesiologické oddelení Ustřední vojenské nemocnice); Pospisil Veterinary Research Center, Biophysical Institute /headed by Professor, Doctor of medicine Zd. Dienstbier, Doctor of sciences/, FVL, KU, Prague (Veterinární výzkumné středisko, Biofyzikální ústav FVL KU)

TITLE: Experimental contribution to the application of the four basic methods of general anesthesia in acute irradiation sickness

SOURCE: Vojenské zdravotnické listy, no. 1, 1966, 14-18

TOPIC TAGS: radiation injury, anesthesiology

ABSTRACT: Thiopental sodium is suitable for general anesthesia even after x-ray exposure; minimum doses ($\frac{1}{4}$ - $\frac{1}{2}$ g) should be used, and not repeated. Ether and trichloroethylene inhalation anesthesia lasting 60-75 minutes does not aggravate irradiation sickness; it should be given as lightly as possible. Thiopental sodium-alcohol infusion anesthesia is contraindicated in irradiation sickness. Experiments were conducted on dogs which received a dose of 300 r. Orig. art. has: 5 figures and 4 tables.

JPRS: 35,348
SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / SOV REF: 002
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were irradiated using the Makrophos 250 apparatus. A total of 410 animals were tested; the drugs were injected intravenously in 5 doses, each drug to 10 irradiated

UDC: 616-001.26/.28-089.5-085.781-092.23

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animals and to 10 control animals. The test results are shown in a table and in graphs. From the data, tentative conclusions may be drawn concerning use of these anesthetics during acute radiation sickness. However, final judgment should be reserved until the methods of administering clinical anesthesia to irradiated animals have been verified. Major changes in relative toxicity were found with chlorpromazine (largactil) and mezocain. The authors consider the administration of these drugs to irradiated organisms to be unsuitable, while thiopental is considered safe, even in cases of acute radiation illness. Orig. art. has: 8 figures and 2 tables. [KS]

STEJFA, M., prof. MUDr.; DOSTAL, J.; POSPISIL, J.; SKALNIK, L.; ZAK, J.

Bronchial asthma and chronic cor pulmonale. Bratislavské lek. listy
45 no.8:452-459 30 Apr '65

1. I. vnitřní klinika Lekarské fakulty University J.E. Purkyne
v Brně (vedoucí: prof. MUDr. M. Stejfa).

POSPISIL, J.; TAIMR, L.

Antioxidants and stabilizers. Pt.a. Coll Of Chem P0 No. 2151
My '65.

I. Institut fur makromolekulare Chemie, Tschechoslowakische
Akademie der Wissenschaften, Prague. Submitted July 17, 1964.

POSPISIL, J.; TAIMR, L.

Chromatographic behavior of hydroquinone derivates containing
tert-butyl groups and tert-octyl groups. Coll Cs Chem 29,
no.2:374-380 F '64.

Alkylation of hydroquinone with isobutyls and diisobutyls.
Ibid.:381-389

1. Institute of Macromolecular Chemistry, Czechoslovak Academy
of Sciences, Prague.

RYBA, O.; PETRANEK, J.; POSPISIL, J.

Antioxidation agents and stabilizers. Pt.4. Coll Cz Chem 30
no.3:843-852 Mr '65.

1. Institute of Macromolecular Chemistry of the Czechoslovak
Academy of Sciences, Prague. Submitted February 14, 1964.

BRENIK, Premysl, prof., dr., inz.; KROUPA, J., doc., inz.; HALA, F.; BUDIN, M., inz.; JERIE, J., inz., dr.; BELIK, inz., C.Sc.; KACER, inz.; BUKOVSKY, J., prof.; KUNES, J., inz.; MARCELLI, V., dr., inz.; VILD, B.; ZMINGER, Z., Dr.Sc.; SKARECKY, inz.; DRAHY, J., inz.; MASEK, J., inz.; DOLEZAL, inz.; URBANEK, J., inz., C.Sc.; JUZA, dr., inz.; BECVAR, Josef, prof., inz.; KRAL, V., inz.; BALOS, inz.; KELLAR, J.; POSPISIL, J., inz.

A conference on heavy-duty steam and gas turbines in Plzen. Energetika Cz 11 no.5:259-262 My '61.

1. Vysoka skola strojni a elektrotechnicka, Plzen (for Brenik, Bukovsky and Becvar).
2. Ministerstvo tezkeho strojirenstvi (for Kroupa).
3. Ceskoslovenska akademie ved (for Pospisil).
4. Leninovy zavody, Plzen (for Hala, Marcelli, Belik, Vild, Eminger, Drahý, Masek, Urbanek, Juza, Kral and Dolezal).
5. Prvni brnenska strojirna, Zavody Klementa Gottwalda (for Budin and Balos).
6. Statni vyzkumny ustav tepelne technicky (for Jerie, Kacer and Skarecky).
7. Clen korespondent Ceskoslovenske akademie ved (for Jerie and Juza).

POSPISIL, J.; WEISSER, O.; LANDA, S.

On the properties of sulfide catalysts. Pt. 17. Coll Cz Chem
29 no. 6:1387-1393 Je '64.

1. Institute of Macromolecular Chemistry, Czechoslovak Academy
of Sciences, Prague, and Institute of Synthetic Fuels and
Natural Oil, Higher School of Chemical Technology, Prague.

POSPISIL, Jan

Report on the 35th International Congress on Industrial Chemistry
held in Warsaw. Chem prum 15 no.3:178 Mr '65.

1. Institute of Macromolecular Chemistry of the Czechoslovak
Academy of Sciences, Prague.

POLSPISL, Jan, inz.

On the May 29-30, 1964 Decision of the Central Committee of the Communist Party of Czechoslovakia. Poz stavby II no. 8:405-407 '63.

1. Central Committee of the Communist Party of Czechoslovakia.